

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP 03/03302

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F12/06 G05B19/042 G06F13/40 H04L12/403

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F G05B H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00 04428 A (OCE PRINTING SYSTEMS GMBH ;BEST ARNO (DE)) 27 January 2000 (2000-01-27) page 3, line 14-28 page 6, line 4-26 page 7, line 22 -page 9, line 24 claims 1,3,12; figures 2,3 ---	1-9
A	EP 0 980 165 A (MOTOROLA INC) 16 February 2000 (2000-02-16) abstract paragraphs '0037!', '0040!', '0043!', '0044! column 15, line 36-58 figures 4-11 --- -/--	1-9



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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G document member of the same patent family

Date of the actual completion of the international search

8 July 2003

Date of mailing of the international search report

15/07/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 489 346 A (SIEMENS AG) 10 June 1992 (1992-06-10) cited in the application column 2, line 34 -column 4, line 23 column 4, line 48-56 claims 1,4; figures 1-3 & DE 40 38 992 C 6 February 1992 (1992-02-06)</p>	1-9

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Information on patent family members

International Application No

PCT/EP 03/03302

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0004428	A	27-01-2000	WO 0004428 A1	27-01-2000
EP 0980165	A	16-02-2000	US 6166653 A	26-12-2000
			EP 0980165 A2	16-02-2000
			JP 2000201162 A	18-07-2000
			US 6392558 B1	21-05-2002
EP 0489346	A	10-06-1992	DE 4038992 C1	06-02-1992
			AT 143520 T	15-10-1996
			DE 59108224 D1	31-10-1996
			EP 0489346 A2	10-06-1992